

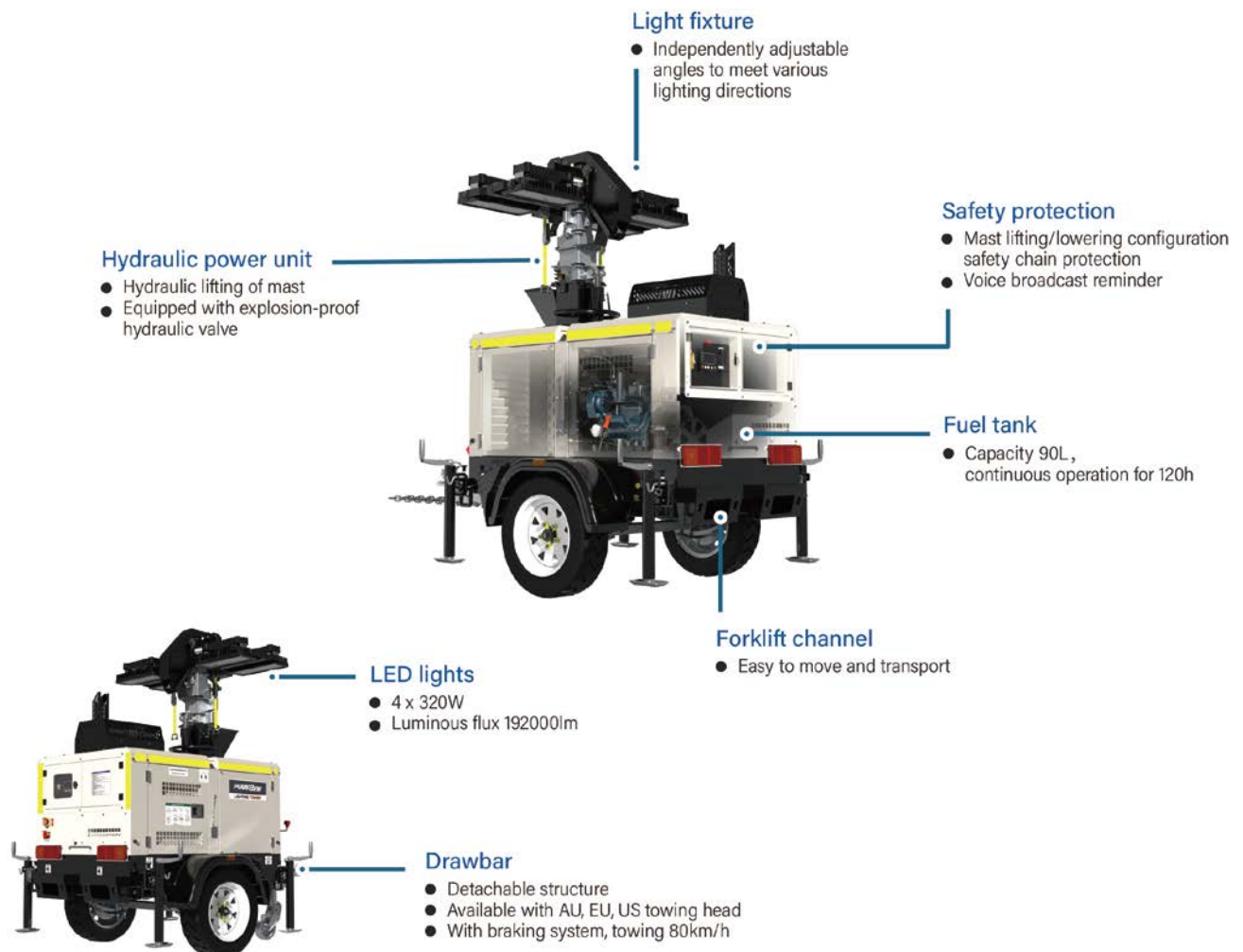
MS2000-KDC

Mobile Lighting Tower

Diesel Driven

Product Introduction

MS2000-KDC is a high-efficiency mobile lighting tower powered by diesel, specifically designed to meet continuous illumination demands in extreme environments. Equipped with a 3kW DC generator and a 90L large-capacity fuel tank. Installed with a PLC intelligent control system, supports manual and automatic mode switching. With a trailer system, it is convenient for rapid deployment and movement. It is suitable for lighting scenarios such as construction sites, outdoor activities, sports events, emergency rescue, capable of meeting the lighting needs for long periods without human presence.



Diesel power generation system

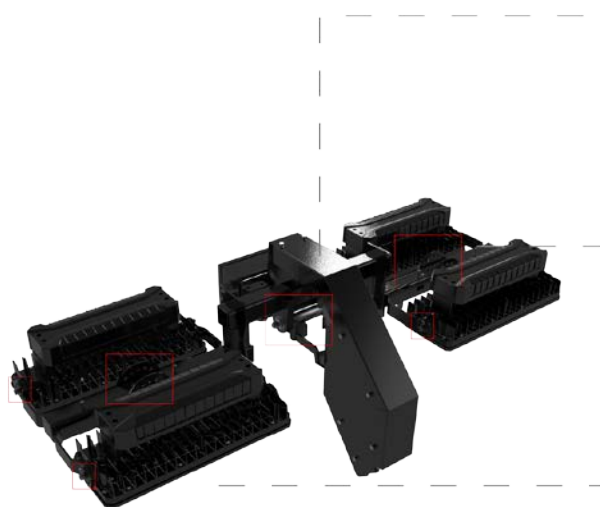
Equipped with one 3kW diesel generator and 90L large-capacity fuel tank, it provides continuous power supply for lighting, which is suitable for needs that require long-term unattended lighting.

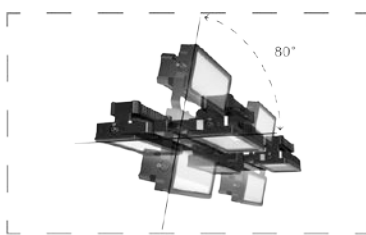


Strong adaptability

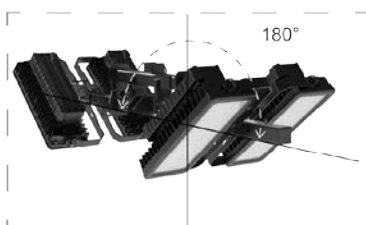
Equipped with a trailer system, it can achieve rapid deployment and movement, and easily cope with basic environments such as outdoor engineering, emergency lighting and activity places.

Lamp Angle Adjustment

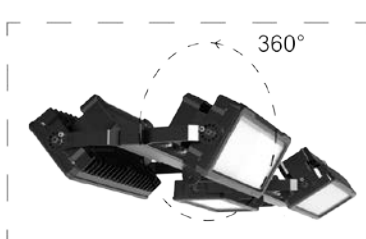




Light fixture tilting angle
The total light fixture can be adjusted the tilting angle, range 0°~80°

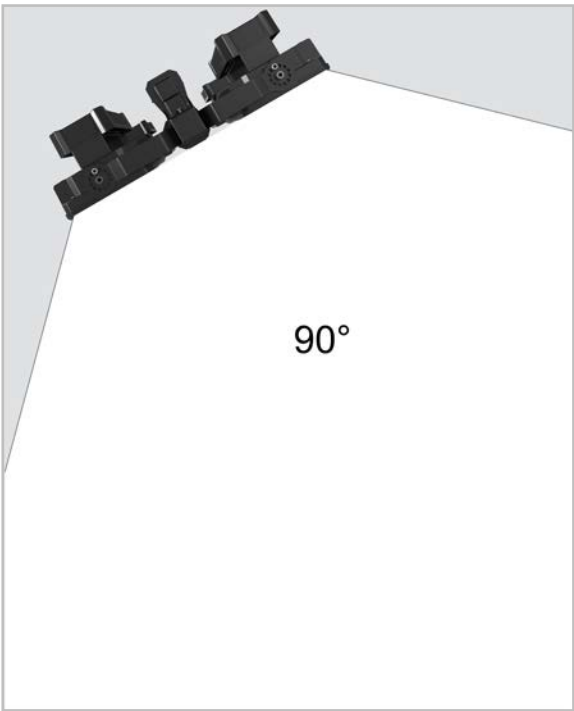


Lamp front and rear angle
Each lamp can rotate front and back, range 0°~180°

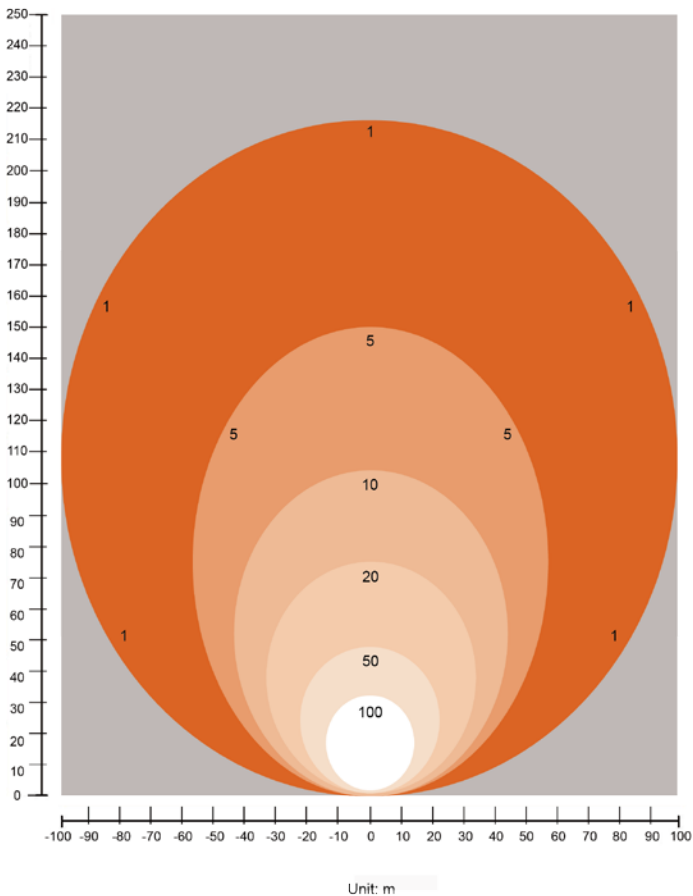


Lamp rotation angle
Each lamp can rotate independently 360° to meet any lighting angle

LED Beam Angle: 90°



Lighting Range:
Effective lighting area 8000m²@5 lm



Technical Parameter

Main Parameter

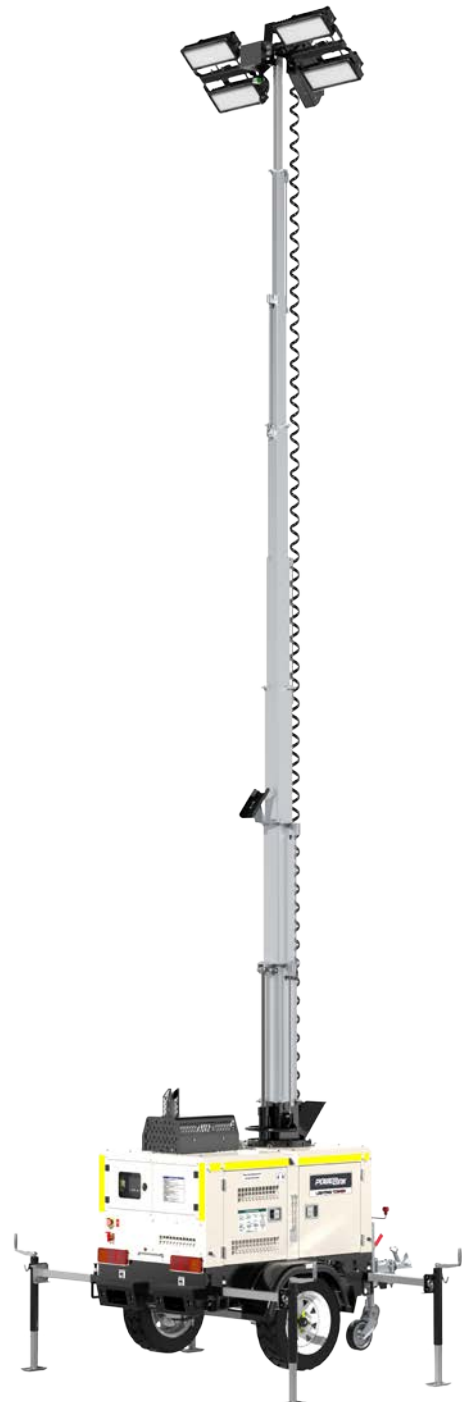
Model	MS2000-KDC
Light type	LED
Total lighting wattage	4x320W
Luminous flux (Max)	192000 lm
Light intensity	201600 cd
Effective lighting area	8000m ² @5 lm
Rated voltage	DC 48V
Mast extended height	9m
Light fixture tilting angle	80°
Diesel genset rated power	3kWe
Fuel tank capacity	90L
Hydraulic oil tank capacity	5L
Max. towing speed	80km/h
Max. wind speed	100km/h
Fully extended/retracted time	12/15 s
Noise level @7m (genset power)	58dB(A)
Noise level @7m (battery power)	50dB(A)
Wet weight	1213kg
Dry weight	1123kg
Dimensions (Fully retracted)	2414x1448x2362mm
Dimensions (Fully extended)	2414x2562x9000mm
Dimensions (Transportation)	1610x1448x2362mm
40'Loading (qty)	7

LED Light

Number	4
Power	320W
Total power	1280W

DC Charging Interface

Rated voltage	DC 600V
Rated current	175A



Fuel Consumption

Load Status	2xLamps	4xLamps
Fuel Consumption(L/h)	0.36	0.62

Parts Parameters

Engine

Engine brand	KUBOTA
Engine model	Z482-E4B-ACP-1
Rated power	4.6kWm
Number of cylinders	2
Displacement	0.479L
Type of fuel	No.2-D S500 or S15
Type of oil	API-CH
Oil capacity	2.5L

Standard Configuration

- KUBOTA Engine
- 4x320W LED Light
- 9m Mast
- Steel Structure Chassis
- Axle Vibration Damping
- DC Alternator
- PLC Controller
- Hydraulic Power Unit
- Extended Outriggers
- DC Charging Interface
- 50°C Radiator
- Fuel Tank
- Hydraulic Explosion-proof Valve
- Trailer And Driven Brakes
- Emergency Stop Button

Application Scenarios

